

AMS 5DC - WH

5" Dual Concentric Surface-Mount
Loudspeaker for Installation Applications (White)



- Full range surface-mount loudspeaker for indoor and outdoor installation applications
- 60 Watts continuous, 240 Watts peak power
- 5" next generation Dual Concentric driver featuring Omnimagnet technology
- Torus Ogive waveguide for improved high frequency response and directivity
- Multiple transformer taps for 70 V and 100 V line systems or 16 Ohm direct input
- Low insertion loss 30 W line transformer with easily accessible tapping switch
- Optimised for LAB GRUPPEN low impedance LUCIA amplifiers with up to 8 AMS series loudspeakers per channel
- All components weather resistant to IP65 for outdoor use
- High temperature resistant ABS enclosure rated at 120°C
- Semi matt white paint finish fits unobtrusively in any environment
- Yoke bracket included for ease of installation
- Optional VARIBALL multi-angle bracket with secure clamp mechanism for accurate audience coverage

The AMS 5DC-WH is a full bandwidth 240-Watt high sensitivity loudspeaker that utilises our all-new proprietary 5" Dual Concentric point-source driver with Omnimagnet technology on a Torus Ogive Waveguide to deliver wide and consistent broadband directivity with enhanced intelligibility – plus the linear response of our legendary studio monitors. The AMS 5DC-WH is ideally suited for stereo or mono background/foreground music applications in theme parks, hotels, restaurants and bars, retail stores, as well as corporate AV, residential developments, and houses of worship. AMS 5DC-WH loudspeakers provide a seamless sound signature within a multi-zoned environment that benefits from both ceiling and wall mounted TANNOY loudspeakers.



Weather-Resistant Enclosure

The elegantly styled semi matt white moulded enclosure blends beautifully into any décor. Additionally the AMS 5DC-WH's design and performance has achieving an IP65 rating, making it an exceptional choice for both indoor and outdoor environments such as indoor swimming pools, saunas, or work areas with unusually high levels of dust or moisture, and outdoor applications where weather conditions are moderate.

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- Weatherproof cable gland cover to protect Phoenix* connectors and tap selector switch
- 10-Year Warranty Program*
- Designed and engineered in the U.K.

Attractive and Easy to Install

The highly durable and heat resistant ABS enclosure features a white painted finish and comes with an aesthetically pleasing grille. Installation is quick and easy thanks to the included colour-matched yoke mounting bracket – and an optional VARIBALL multi-angle bracket is available separately. An included weatherproof cable gland protects the Phoenix* input and link output connectors, as well as the integral low-insertion loss 30 W transformer with convenient tap switching.



LAB GRUPPEN Ready

The AMS 5DC-WH is optimised for use with **LAB GRUPPEN LUCIA** amplifiers, which accommodate up to 8 AMS Series loudspeakers per channel.



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You Are Covered

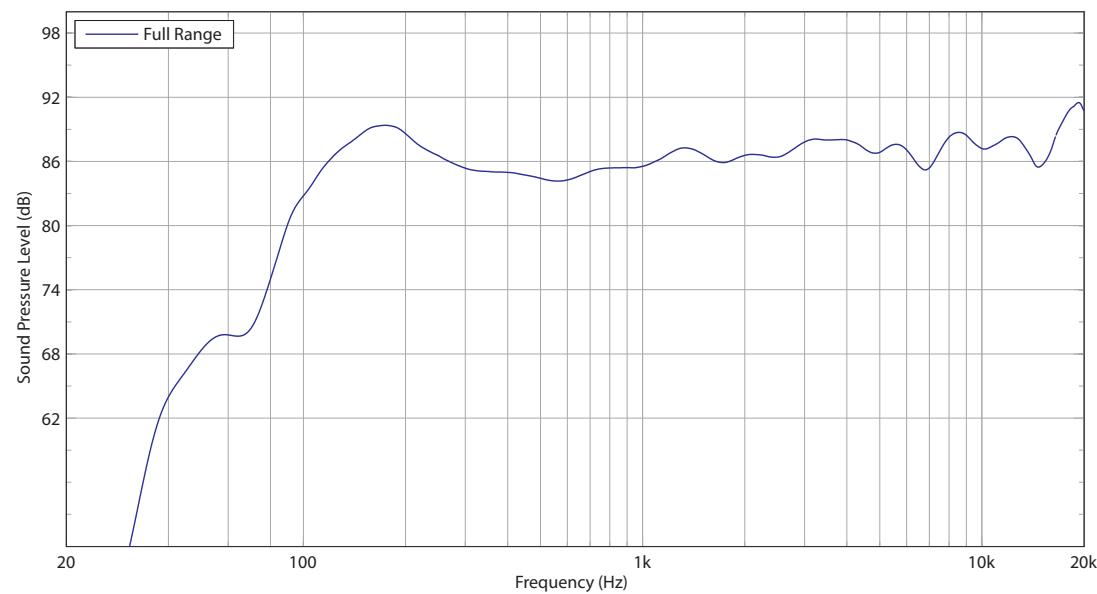
We always strive to provide the best possible Customer Experience. Our products are made in our own **MUSIC Tribe** factory using state-of-the-art automation, enhanced production workflows and quality assurance labs with the most sophisticated test equipment available in the world. As a result, we have one of the lowest product failure rates in the industry, and we confidently back it up with a generous [Warranty program](#).



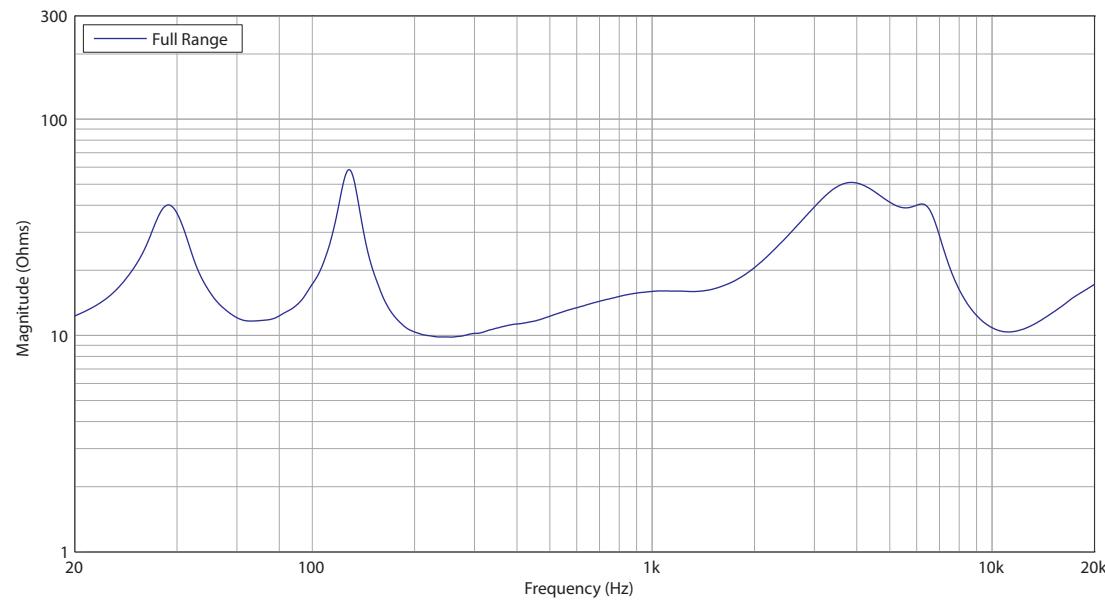
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Frequency Response Sensitivity 1 W / 1 m



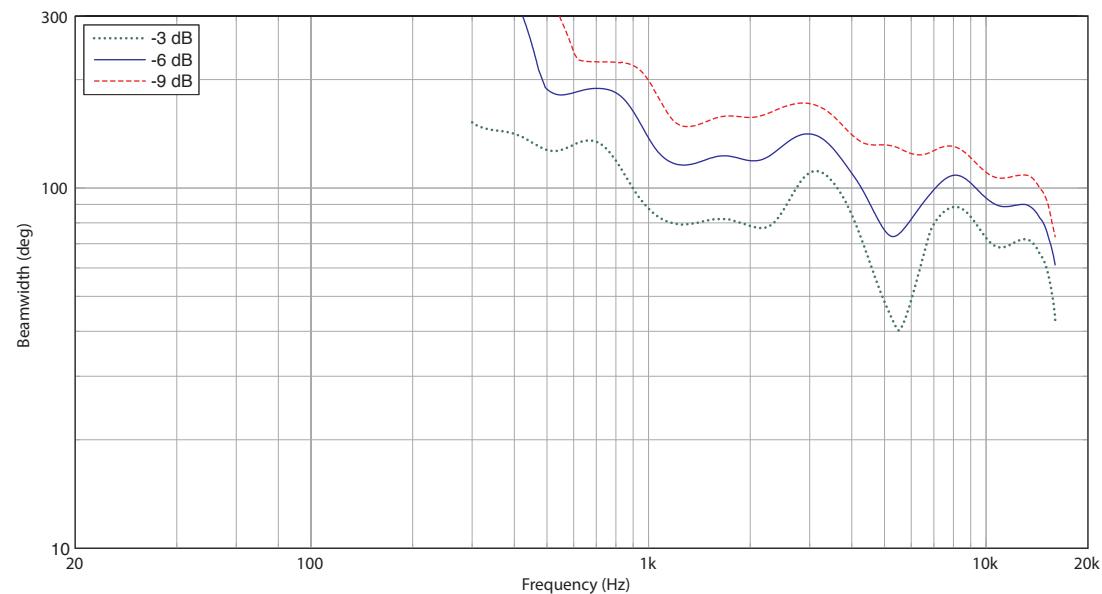
Impedance



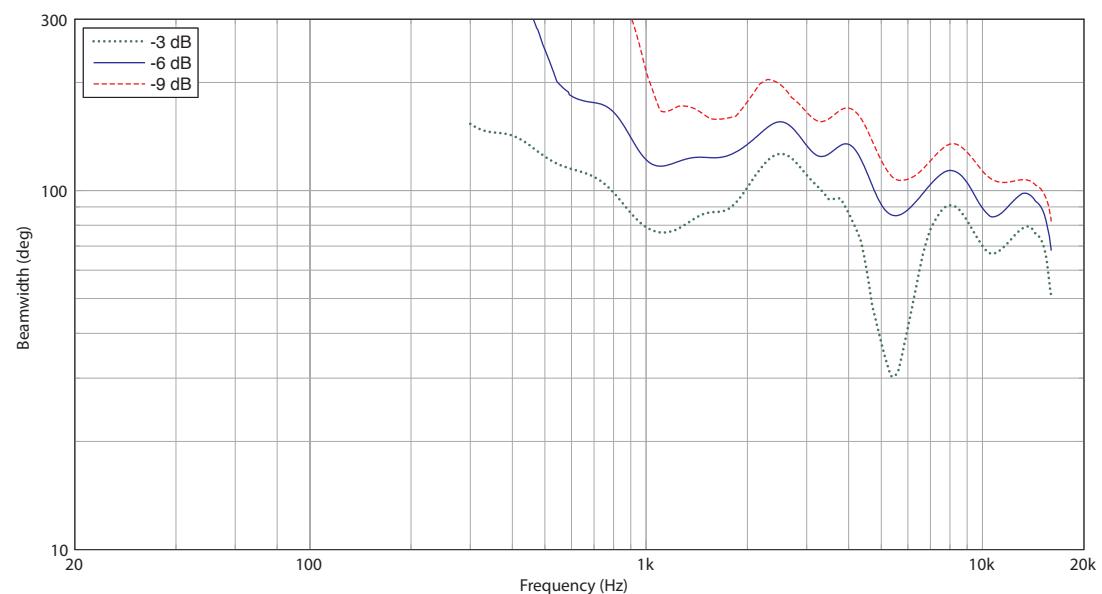
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Horizontal Beamwidth



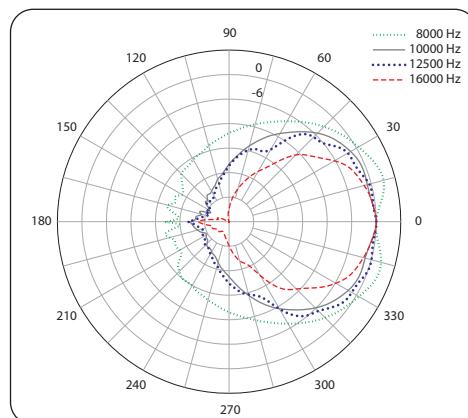
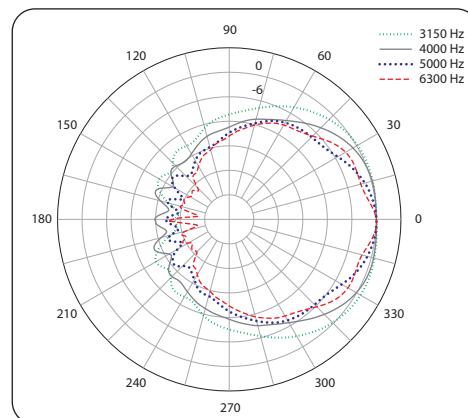
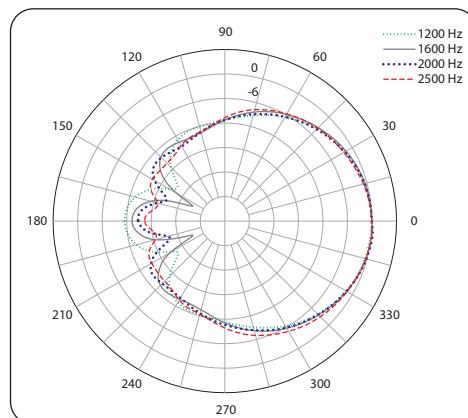
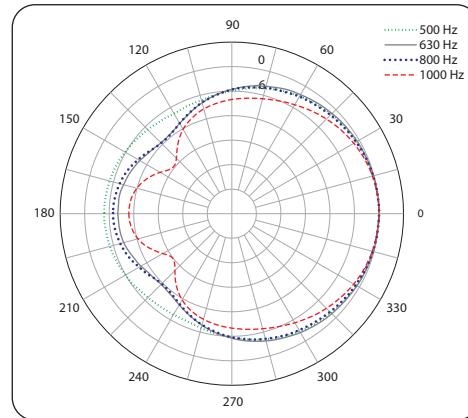
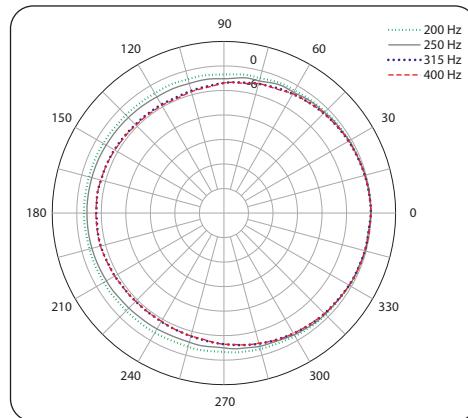
Vertical Beamwidth



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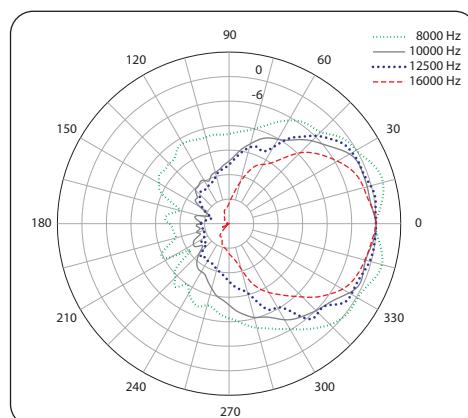
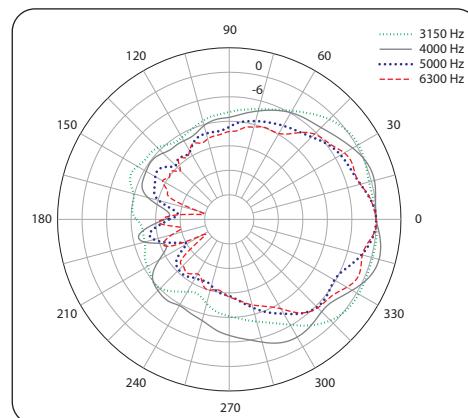
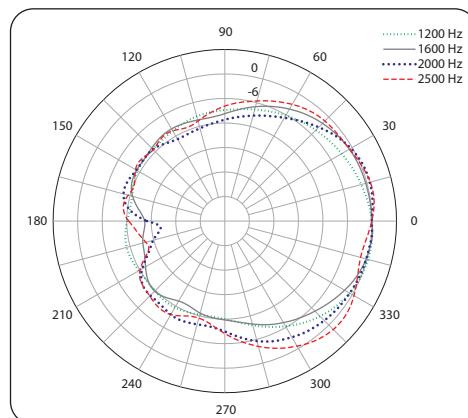
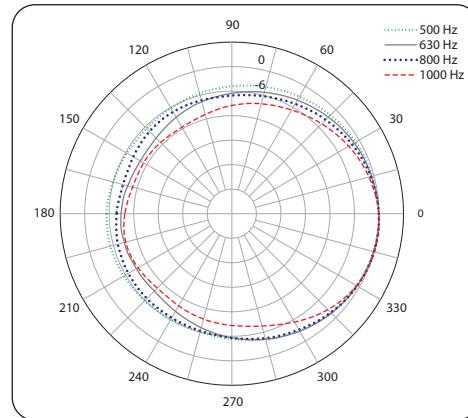
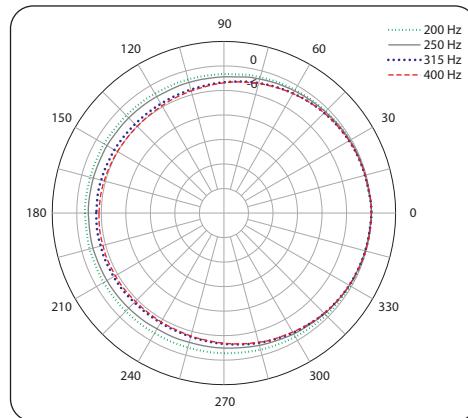
Horizontal Polar Plots



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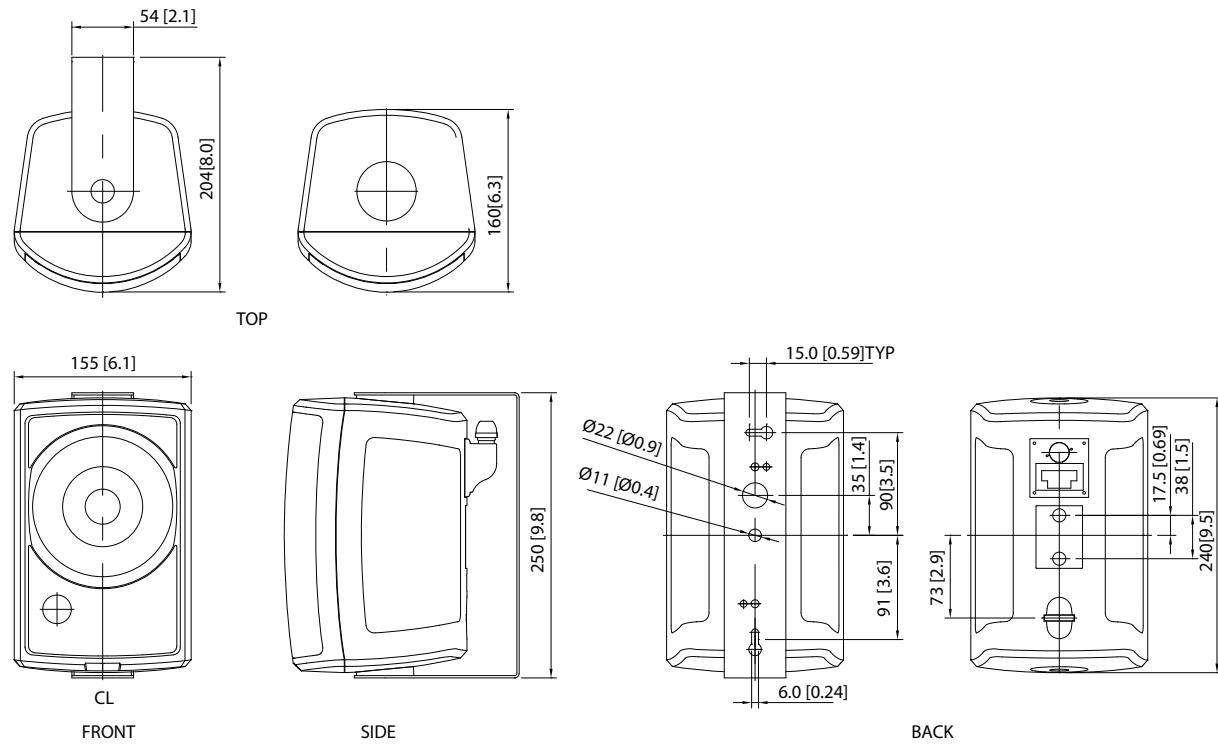
Vertical Polar Plots



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Dimensions



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Technical Specifications

Performance

| | |
|--|---|
| Frequency response (-3 dB) ⁽¹⁾ | 90 Hz - 30 kHz |
| Frequency range (-10 dB) ⁽¹⁾ | 80 Hz - 40 kHz |
| System sensitivity (1 W @ 1m) ⁽²⁾ | 87 dB (1 W = 4 V for 16 Ω) |
| Nominal Coverage Angle | 90 degrees conical |
| Power Handling ⁽³⁾ | |
| Average | 60 W |
| Programme | 120 W |
| Peak | 240 W |
| Recommended Amplifier Power | 120 W @ 16 Ω |
| Nominal Impedance (Lo, Z) | 16 Ω |
| Rated maximum SPL | |
| Average | 105 dB |
| Peak | 111 dB |
| Transformer Taps (via front rotary switch) | |
| 70 V | 30 W / 15 W / 7.5 W / 3.75 W / OFF & Low impedance operation |
| 100 V | 30 W / 15 W / 7.5 W / OFF & Low impedance operation |

Physical

| | |
|------------------------|---|
| Enclosure | ABS |
| Grille | Steel, plated and painted |
| Connectors | Removable locking connector with screw terminals |
| Transformer setting | Rotary switch |
| Dimensions (H x W x D) | 248.0 x 155.0 x 203.9 mm (9.77 x 6.10 x 8.03") |
| Net Weight (ea) | 3.6 kg (7.9 lbs) |
| Shipped weight | 4.15 kg (9.15 lbs) |
| Included Accessories | Yoke bracket |
| Packed Quantity | 2 |

Notes:

1. Average over stated bandwidth. Measured in an IEC baffle in an Anechoic Chamber

2. Unweighted pink noise input, measured at 1 metre on axis

3. Long term power handling capacity as defined in EIA - 426B test

A full range of measurements, performance data, CLF and Ease Data for AMS 5DC can be downloaded from www.tannoypro.com.

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the publishing specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

Transducers

| | |
|-------------------------------------|--|
| Dual Concentric point source driver | 1x 130 mm (5") Dual Concentric driver, using Omnimagnet technology |
| Low Frequency | 35 mm (1.38") voice coil, treated multi-fibre paper pulp cone |
| High Frequency | 20 mm (0.79") PEI dome |

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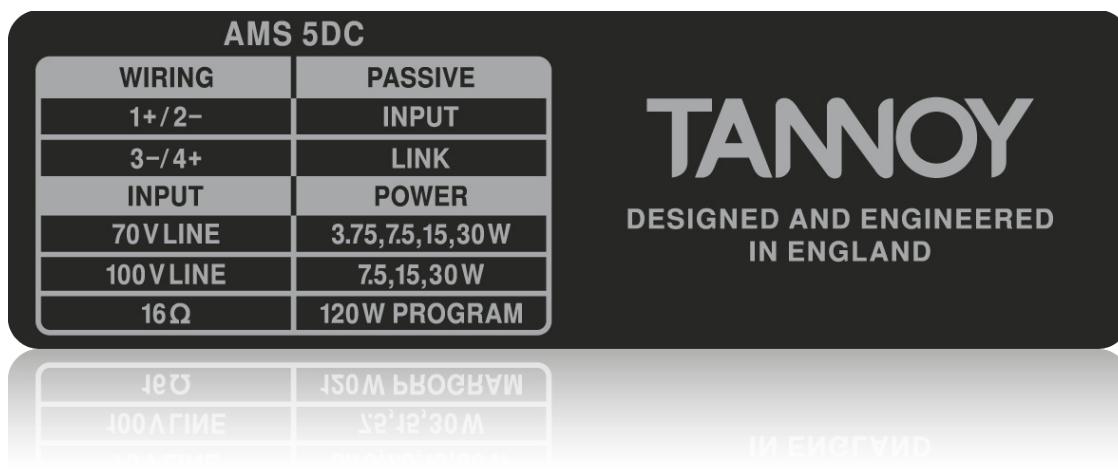
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For service, support or more information contact the TANNOY location nearest you:

Europe

MUSIC Tribe Brands UK Ltd.
Tel: +44156 273 2290
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

USA/Canada

MUSIC Tribe Commercial NV Inc.
Tel: +1 702 800 8290
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

Japan

MUSIC Tribe Services JP K.K.
Tel: +81 3 6231 0453
Email: CARECrea@music-group.com
CAREEnte@music-group.com
CARELife@music-group.com

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